

WHAT IS CLAIMED IS:

1. A high shrinkage side-by-side type composite filament,
wherein two kinds of thermoplastic polymers are arranged side by
5 side type and a boiling water shrinkage (Sr_2) measured by the
method (initial load = notified denier \times 1/10g, static load =
notified denier \times 20/10g) of clause 5.10 of JIS L 1090 is 20 to
75% of a boiling water shrinkage (Sr_1) measured by the method
(initial load = notified denier \times 1/30g, static load = notified
10 denier \times 40/30g) of clause 7.15 of JIS L 1013.

2. A method for manufacturing a high shrinkage side-by-side
type composite filament consisting two kinds of thermoplastic
polymers which are arranged side-by-side type, wherein the two
15 kinds of thermoplastic polymers having a number average molecular
weight difference (ΔMn) of 5,000 to 15,000 are used upon spinning
and the composite filament is drawn and heat-treated so as to
satisfy the following physical properties:

· Temperature area exhibiting 95% of maximum thermal stress
20 ($T_{max, 95\%}$) : 120 to 230°C

· Range of maximum thermal stress per denier : 0.1 to
0.4g/denier

3. The method of claim 2, wherein the composite filament is drawn and heat-treated so that the temperature distribution range (Tmax) of the maximum the thermal stress of the composite filament is 140 to 200°C:

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4. The method of claim 2, wherein the thermoplastic polymers are polyethylene terephthalate.

5. A woven or knitted fabric containing the side-by-side
10 type composite filament of claim 1.